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AS A BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### TITLE: TECHNIQUES FOR PATTERNING FEATURES IN SEMICONDUCTOR DEVICES

| _ '   |   | attorney docket no. YOR920030175US1, or: tember 12, 2003 and assigned Serial No. 10/6   | 61.041.  |
|---|---|---|--|
| and (if applicable) was amend   | -   | ·   | ,,   |
| amended by any amendment referr<br>the examination of this application<br>benefits under Title 35, U.S. Code<br>any PCT international application | ed to above. I acknowledgen in accordance with Title §119(a)-(d) or §365(b) of which designated at least ellow and have also identifi | he contents of the above-identified specification to the duty to disclose information which is may 37, Code of Federal Regulations §1.56. I he any foreign application(s) for patent or invento one country other than the United States, or §3 and below any foreign applications for patent or its claimed. | terial to patentability and to<br>creby claim foreign priority<br>or's certificate, or §365(a) of<br>119(e) of any United States |
|   |   |   | Priority Claimed: Yes [ ] No [ ]   |
| (Application Number)  | (Country)   | (Day/Month/Year filed)  | res[] No[]   |
|   |   |   | Yes [ ] No [ ]   |
| (Application Number)  | (Country)   | (Day/Month/Year filed)  | •  |
| International application designati<br>application is not disclosed in the p<br>of Title 35, U.S. Code §112, I ack                                | ng the United States, listed or United States or PCT chowledge the duty to disc   | ode §120, of any United States application(s) ed below and, insofar as the subject matter of International applications(s) in the manner proclose information material to patentability as d the filing date of the prior application and the nate.   | f each of the claims of this wided by the first paragraph efined in Title 37, Code of  |
| (Application Serial Number)   | (Filing Date)   | (STATUS: patented, pending, abandon   | ned)   |
| (Application Serial Number)   | (Filing Date)   | (STATUS: patented, pending, abandon   | ned)   |

I hereby appoint the following attorneys: RICHARD M. LUDWIN, Reg. No. 33,010; KEVIN M. JORDAN, Reg. No. 40,277; CHRISTOPHER A. HUGHES, Reg. No. 26,914; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, JR., Reg. No. 18,753; DOUGLAS W. CAMERON, Reg. No. 31,596; WAN YEE CHEUNG, Reg. No. 42,410; THU ANN DANG, Reg. No. 41,544; LOUIS P. HERZBERG, Reg. No. 41,500; DEREK S. JENNINGS, Reg. No. 41,473; STEPHEN C. KAUFMAN, Reg. No. 29,551; DANIEL P. MORRIS, Reg. 32,053; ALISON D. MORTINGER, Reg. No. 39,306; LOUIS J. PERCELLO, Reg. No. 33,206; ROBERT M. TREPP, Reg. No. 25,933; and GAIL H. ZARICK, Reg. No. 43,303 each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

> RYAN, MASON & LEWIS, LLP 1300 Post Road, Suite 205 Fairfield, CT 06824 Tel.: (203) 255-6560

> > Page 1 of 2

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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| FULL NAME OF FOURTH INVENTO      | P. Arpan P. Mahorowala                               | _ Citizenship:United States  |
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| Residence & Post Office address: | 429 Sandgate Drive<br>New Windsor, NY 12553          |                              |

Attorney Docket No. YOR920030175US1

AS A BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if plural sames are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: TECHNIQUES FOR PATTERNING FEATURES IN SEMICONDUCTOR DEVICES

| he specification of which is attached   | ed hereto or indicates an a   | attorney docket no. YOR920030175US1, or:   |   |
|---|---|--|---|
| was filed in the U.S. Patent & T  | rademark Office on Sept   | ember 12, 2003 and assigned Serial No. 10/6  | 61,041,   |
| and (if applicable) was amende  | ed on   |  |   |
| amended by any amendment referre<br>the examination of this application<br>benefits under Title 35, U.S. Code 5 | ed to above. I acknowledge<br>in accordance with Title<br>\$119(a)-(d) or \$365(b) of<br>which designated at least of<br>low and have also identifications. | the contents of the above-identified specification is the duty to disclose information which is may 37, Code of Federal Regulations § 1.56. I he any foreign application(s) for patent or inventor the country other than the United States, or § 1 ded below any foreign applications for patent or its claimed:  | treby claim foreign priority or's certificate, or \$365(a) of 119(e) of any United States |
| 27 mb 27  | (Country)   | (Day/Month/Year filed)   |   |
| Application Number)   | (Country)   |  | Yes [ ] No [ ]  |
| 'Application Number)  | (Country)   | (Day/Month/Year filed)   |   |
| international application designation is not disclosed in the p   | ng the United States, listerior United States or PCT  | nde §120, of any United States application(sed below and, insofar as the subject matter of International applications(s) in the manner proclesse information material to patentability as of the filing date of the prior application and the material to patentability as of the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the material to the filing date of the prior application and the filing date of the prior applic | ovided by the first paragraph<br>defined in Title 37, Code of                             |
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| Application Serial Number)  | (Filing Date)   | (STATUS: patented, pending, abandon  | nea)  |
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